

The GARZETTE

August 2006

Volume 15, Issue 8



W4GR

<i>President</i>	1
<i>Area Meetings and Exams</i>	2
<i>Up Coming Programs</i>	3
<i>The Double Bazooka</i>	4
<i>Membership Application Form</i>	5
<i>Meeting Minutes</i>	6
<i>Crew 73</i>	7
<i>Apparel order form</i>	9
<i>TechFest 07</i>	10
<i>Sponsors</i>	11,12

From the President's Desk:

Norm Schklar WA4ZXV

I don't know about your neck of the woods, but my leaves have started falling off the trees. It seems my trees know when the 4th of July has passed, and they think summer's almost over. Of course, that means Shelby Ham Fest (September 2 -3) is just around the corner. I've never been to Shelby, but maybe one of these years.

We have a lot of check-ins on the weekly net. That's in part due to the efforts of our Net Manager Scott, KF4PWI, and his regular net control operators. Thanks to all of you for participating.

Fund raising isn't the most fun topic to write about, but it is definitely a necessary evil. Many of us enjoy the results: Fairly modern equipment scattered all over Gwinnett County; a great spread of equipment and eats for Field Day; a nice affordable Christmas Party and TechFest in January. These and many of the other items on the budget don't come cheap. So instead of our having several small fund raising events that take a lot of planning and time, let's all get involved in the big ones.

Yes, that's working at the dog show. If I were a good sales person, I'd probably not say it's a lot of work. It is a lot of work, and we need all the help we can get. Three days of eight hours each. We break that down to two four hour shifts per day when we have enough help. What do we do at the dog show? We collect money for parking as cars come into the parking lot, we point cars toward empty parking spaces, we keep vehicles from blocking the entrance to the building, we answer questions and we keep folks out of the reserved parking spaces. There are several sit down positions (bring a chair), so many of us are not required to stand the whole shift. Amy, KE4IKF has the roster. Don't be afraid to contact her and get on the list.

I attended an Alford Memorial RC meeting in July. Nice bunch of folks over there. Maybe we should be a little more aggressive about asking other radio club members to join in our meetings. So if you have friends in other clubs, let them know they're welcome to come over to Lawrenceville on the second Tuesday of the month.

David, KA4KKF, added a link to the GARS email reflector sign up on the web site. If you're not already on the reflector, now's a great time to get connected.

I hope to see you at the meeting on August 8th.

Metro Atlanta Club Meetings

First Tuesday

Kennehoochee ARC

Southern Polytechnic State University

Meeting begins at 7:30 PM

Talk In 146.880(-)

Second Monday

Georgia Tech ARC

Room W218

Van Leer Electrical Engineering Bldg.

Georgia Tech Campus

Meeting at 7:00 PM

First Thursday

Atlanta Radio Club

Georgia Red Cross HQ

1955 Monroe Dr., Atlanta

Meeting is at 7:30 PM

Talk In -146.820(-)

N.E. Georgia ARC

Commerce Public Library

Meeting is at 6:30 PM

Talk In - 147.225(+)

PL 123.0

Second Thursday

Alford Memorial Radio Club

Annistown Road Baptist Church

Intersection of Annistown Rd & Spain

Rd

Stone Mountain

Dinner at 6:00 PM

Meeting at 7:30 PM

Talk In - 146.760(-)

Third Thursday

North Fulton Amateur Radio

League

Southern Skillet

1037 Alpharetta St., Roswell

Dinner at 6:30 PM, meeting at 7:30

PM

Talk In - 145.47(-)

First Saturday

North GA QRP Club

Wieuca Baptist Church on Peachtree

Rd/Wieuca, 10 AM

Metro Atlanta VE Exam Schedule

GARS publishes Metro Atlanta area VE exam schedules as a service and is not responsible for errors or changes. Call and confirm schedules before going. All sessions are walk-in. Take copies of current license and certificate of completed elements with you to all sessions. Find additional sessions online at www.arrl-ga.org

Third Saturday

CA VEC

9:00AM

Marietta First United Methodist Church

Room 305, 56 Whitlock Ave

Marietta

David Still, WB4RRD
(770) 973-2566

Fourth Tuesday

ARRL VEC

7:00 PM

United Way Service Center

6279 Fairburn Road, Douglasville

Third Sunday

W5YI VEC

3:00 – 5:00 PM

St. John Neumann Church

801 Tom Smith Road Lilburn

Headphones Provided! Howie Gould,
W9HG (770)921-8362

Fourth Sunday

2:30 PM

Georgia Tech Student Center

Room 301

David Ziskind, KE4QLH
(404) 966-6864

Second Saturday, Odd Months

ARRL VEC

8:30 AM

Stone Mountain Methodist Church

5312 West Mountain St.

Stone Mountain

Bob Varone, W4ETN

(770)978-3179

GARS Communication System

6 Meter Repeater

53.110 (-1 MHz)

82.5 PL Tone

2 Meter Repeater

147.075(+) MHz

82.5 PL Tone

70 Cm Repeater

444.525(+) MHz

82.5 PL Tone

Main Repeater Site

Oak Street, Lawrenceville

Backup Repeater Site

Lanier Mountain, Snellville

Remote Receive Sites

Bogart Road, Buford

Goshen Springs Road, Norcross

Lanier Mountain, Snellville

APRS
144.390 -- 1200 Baud
W4GR/Relay





[YOUTH PIGLET PAGE](#)
by Andrea Hartlage KG4IUM

The Georgia Section of the ARRL is now selling Georgia Piglet Shirts.

<http://arrl-ga.org/youth/youth.html>

<http://arrl-ga.org/>

Mark your calendars now for the August 2006 Dog Show, Friday August 25, Saturday August 26, Sunday August 27. We need your help.
Also mark down February 2,3,4 2007 for that show.
Thanks for your support.

August - AMSAT - Robin Cutshaw (AA4RC)

September - Radio Astronomy

October - Venture Crew 73

November - TBA

December - Christmas Party

THE DOUBLE BAZOOKA

End Detail



SET YOUR SIGHTS ON BETTER QSO'S

Notes on Assembly:

On the cable ends you do not need to use twin lead. You can make these antennas using a single piece of 12 gauge copper wire for each end., you can also use ladder line etc. I would advise using heavy end wires for strength purposes. To prevent the joints from breaking especially for long lengths, I picked up some 1/2 inch PVC pipe and end caps. I cut the PVC so it would overlap a few inches on the joints. I then glued the end caps on. Place the PVC between the joints and secure with regular screw hose clamps. Put the clamps close to the end caps and it will give a strong joint. Do this for the center also.

About The Antenna

The Double Bazooka Dipole is a very efficient single band antenna which is very quiet, and does not require the use of a balun. This antenna consists of coax (RG58) with the shield split at the center and the feedline attached to the open ends. **Do not break the center conductor.** With the feedline attached directly to the two open ends this acts as a half wave dipole along with the open wire end sections. This antenna can be cut for any operating frequency and is broad banded. It can be mounted as a flat top or an inverted vee and will handle the legal limit. As with all antenna projects, you may have to tune length for best SWR and select materials that are easily obtainable.

EXPERIMENT! EXPERIMENT! EXPERIMENT!

AN EXAMPLE ANTENNA

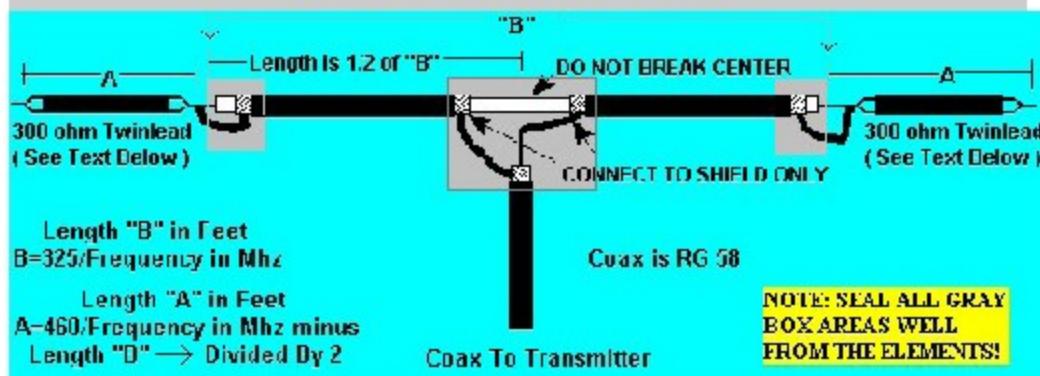
75 METER GENERAL BAND CENTER (3.925 mhz)

LENGTH "B" = $325/\text{freqmhz} = 82.8 \text{ FEET}$ (approx 82 feet 9 1/2 inches)

LENGTH "A" = $460/\text{freqmhz} = 117.20 \text{ feet } 2 \frac{1}{2} \text{ inches}$ minus length "B" (82.8feet) = 34.4 feet divided by 2 = 17.2 feet

TOTAL ANTENNA LENGTH = 117.2 feet $2 \frac{1}{2}$ inches (approx)

<http://www.hamuniverse.com/antennas.html>





Gwinnett Amateur Radio Society
P.O. Box 88
Lilburn, GA 30048

MEMBERSHIP APPLICATION

NEW MEMBER
RENEWAL

Amateur Call Sign _____ License _____ Class _____ Novice _____ Technician _____ General _____
Advanced Extra

Name _____

Address _____

City _____ State _____ Zip _____ - _____

Email address _____

Home Telephone _____ Work Telephone _____

Cell Telephone _____ Date of Birth _____ / _____ / _____ (mm/dd/yy)

ARRL Member Yes No Life

Interests _____

I prefer to receive the GARZETTE newsletter by: US Mail Email (please check only one)

Type of Membership

Individual \$30.00 annually

Student \$15.00 annually

Senior \$15.00 annually (over age 65)

Family ** \$35.00 annually

** Available for family members residing at the same address

Optional Contributions

Repeater Fund \$ _____

Scholarship Fund \$ _____

Additional Family Members **

Name _____ Date of Birth _____ / _____ / _____ (mm/dd/yy)

License Class Technician General Extra ARRL Member Yes No Life

Interests _____

Name: _____ Date of Birth _____ / _____ / _____ (mm/dd/yy)

License Class Technician General Extra ARRL Member Yes No Life

Interests _____

I agree to abide by the By-Laws of the Gwinnett Amateur Radio Society and understand that membership is subject to the approval of the Club.

Applicant Signature _____ Date _____ / _____ / _____

GARS USE ONLY

Date App Rcvd _____ / _____ / _____

Pmt Rcvd _____ / _____ / _____

Payment Amt \$ _____

Mem Appr _____ / _____ / _____

Database _____ / _____ / _____

June GARS General Meeting**July 11, 2006 – Minutes**

Norm Schklar, WA4ZXV, President, opened the meeting at 7:30 pm

Committee Reports:

Repeater – help is needed to clean up and weed eat around the repeater site – repeater site is near the Water Tank with Black Knight in Lawrenceville.

Membership – no report.

Activities – today's program is by Andrea Hartlage on the Dayton Hamvention.

The August program will be on Amsat.

The September program has not been scheduled.

Treasurer – a written report and budget were distributed

Education – the next class (Technician) is scheduled to begin September 13.

Introductions

There were five first-time visitors.

Announcements:

The Dog show is August 25, 26, and 27. A signup sheet was circulated.

Tech Fest is scheduled for January 07 and will include a chili cook-off and possibly tailgating and tests.

There was no new business.

A report on Field Day was given. There were 1565 contacts as compared to 992 last year with a total points of 3590 (2800 last year) with 88 participants.

Break

Program: Andrea Hartlage, KF4PWI, gave a very interesting report on the Dayton Hamvention.

This is held the third weekend in May and this year there were over 20,000 in attendance. Norm Schklar, WA4ZXV, reported on the QRP club meeting in conjunction with the Hamvention.

Prize Drawing: GARS gear gift certificate, and HRO gift certificate

Adjourned: The meeting was adjourned at 9:08 pm

Prepared by Randy Collins, acting secretary

Help Wanted
Public Information Officer
Christmas Party Chairman

Material from The ARRL Letter may be republished or reproduced in whole or in part in any form without additional permission. Credit must be given to The ARRL Letter and The American Radio Relay League.

Do you know a boy or girl
14 to 21 years old
who wants to:

- Climb, hike, canoe, camp
- Talk on an amateur radio
- Have Fun
- Tell them about

Venture Crew 73

We meet the first Tuesday
of each Month, 7:30PM at
Prospect United Methodist
Church Youth room.

For more information Visit

www.gars.org/crew73

or contact Ray Back:

Email crew73@gars.org
Phone (770) 295-9174

August

5-6 ARRL UHF Contest
5-6 North American QSO Party - CW
19-20 ARRL 10 GHz and up contest

19-20 North American QSO Party - phone

September

9 - 11 ARRL September VHF QSO Party
16 - 17 ARRL 10 GHz and Up Contest
16 - 17 ARRL International EME Competition

October

14 - 15 ARRL International EME Competition

November

4 - 6 ARRL November Sweepstakes (CW)
11 - 12 ARRL International EME Competition
18 - 20 ARRL November Sweepstakes (Phone)

December

1 - 3 ARRL 160 Meter Contest
9 - 10 ARRL 10 Meter Contest



The GARZETTE

The GARZETTE is the official monthly organ of the Gwinnett Amateur Radio Society serving its members and other persons interested in the advancement of the amateur radio art.

Original articles, art, and photos are invited and encouraged. Previously copyrighted submissions cannot be accepted for reprinting unless permission from the appropriate publisher is provided in writing along with the information being submitted. If reprints are from publications allowing their unrestricted use, please include a copy of the printed permission contained in the publication.

If possible, bring your articles to the monthly meeting in Microsoft Word format or email to ka4kkf@arrl.net. Artwork can be accepted in most any graphics format and can be submitted via email to the same address. Alternate means of submittal can be arranged when necessary. In keeping with the amateur radio spirit, permission is hereby granted for the reproduction of *The GARZETTE* articles by other amateur radio club newsletters provided that proper credit is given to the individual author and to *The GARZETTE*.

The GARZETTE is published each month with the assistance of Hal Manning, who prints the news letter. Rick Patchin, KD4RFK does the final production work on *The GARZETTE* by folding & labeling. Bill Cherepay, WB4WTN, stamps and gets the end product to the Post Office each month. Norm Schklar, wa4zxv, manages email delivery. Many thanks to each of them and all article contributors. Deadline for submissions is the 20th of each month for inclusion in the following month's issue.

For any additional information contact:
Newsletter Editor:

David Adcock ka4kkf
(770-271-9398)
ka4kkf@arrl.net

All correspondence relating to articles posted in *The GARZETTE* or for information concerning advertising rates should be directed to the following address:

Gwinnett Amateur Radio Society
P.O. Box 88
Lilburn, GA 30048
Attn: Newsletter Editor

The RSGB Islands on the Air (IOTA) Contest and the ARS Flight of the Bumblebees contest are the weekend of July 29-30.

JUST AHEAD: The North American QSO Party (CW), the ARRL UHF Contest, the TARA Grid Dip Shindig, te 10-10 International Summer Contest (SSB), the European HF Championship, the RSGB RoPoCo 2 and the SARL HF Phone Contest are the weekend of August 5-6.

The NAQCC Straight Key/Bug Sprint is August 9. See the ARRL Contest Branch page <<http://www.arrl.org/contests/>> and the WA7BNM Contest Calendar <<http://www.hornucopia.com/contestcal/index.html>> for more info.

* ARRL Certification and Continuing Education course registration: Registration remains open through Sunday, July 23, for these ARRL Certification and Continuing Education (CCE) online courses: Amateur Radio Emergency Communications Level 1 (EC-001), Radio Frequency Interference (EC-006), Antenna Design and Construction (EC-009), Analog Electronics (EC-012) and Digital Electronics (EC-013). Classes begin Friday, August 11.

The same courses will again open for registration Monday, July 24, for classes beginning September 1. To learn more, visit the CCE Course Listing page <http://www.arrl.org/cce/courses.html> or contact the CCE Department cce@arrl.org

GARS Apparel

Several items of clothing that feature our Club logo and/or your call sign are available to Club members. These items include polo shirts, sweat shirts, caps, jackets and other articles. Call sign badges can also be ordered. See Amy Woodrick, KE4IKF, at the next Club meeting for a listing of items and their associated costs.

GARS Recurring Calendar

- Monthly club meeting is the 2nd Tuesday of the month at 7:30 PM. Check the Web Site for Location.
- Every Monday at 8 PM local time: GARS Want, Swap, Sell, and Information Net on the GARS 2 meter repeater
- Every Wednesday at 9 PM local time: GARS 6 meter net on the GARS 6 meter repeater
- Every Saturday at 7:30 AM local time: GARS Weekly Family Breakfast, Golden Corral Restaurant, Riverside Drive, Lawrenceville
- 20th of each month: Deadline for submittal of articles for the following month's GARZETTE

GARS**APPAREL ORDER FORM**

NAME: _____

PHONE # _____

CALL: _____

NAME TO BE EMBROIDERED: _____

CALL SIGN TO BE EMBROIDERED: _____

ITEM	SIZE	QUANTITY	PRICE	TOTAL
T-SHIRT				
Red WITHOUT name & call			\$20.00	
White WITHOUT name & call			\$20.00	
Red WITH name & call			\$20.00	
White WITH name & call			\$20.00	
GOLF SHIRT -- WITHOUT name & call				
Red			\$24.00	
White			\$24.00	
GOLF SHIRT -- WITH name & call				
Red			\$28.00	
White			\$28.00	
SWEATSHIRT				
Red WITHOUT name & call			\$30.00	
White WITHOUT name & call			\$30.00	
Red WITH name & call			\$30.00	
White WITH name & call			\$30.00	
LIGHTWEIGHT JACKET -- RED ONLY				
WITHOUT name & call			\$31.00	
WITH name & call			\$35.00	
HEAVYWEIGHT JACKET -- RED ONLY				
WITHOUT name & call			\$41.00	
WITH name & call			\$45.00	
GARS BADGE -- WITH name & call			\$9.00	
HAT -- WITHOUT name & call				
Red			\$9.00	
White			\$9.00	
HAT -- WITH name & call				
Red			\$14.00	
White			\$14.00	

TOTAL ORDER PRICE: _____

Please attach your check made payable to GARS and return to Amy Woodrick, KE4IKF or mail to:

GARS
P.O. Box 88
Lilburn, Georgia 30048

NOTE: Please allow at least 4 weeks for delivery of items. Some items may need to be special ordered.

Thanks and 73s! -- Amy KE4IKF

Amateur (Ham) Radio in Action

9th Annual

Tech-Fest & Chili Cookoff

January 13, 2007 10:00 till 2:00

Be sure to get it on *your* calendar

(Free Admission)

- **For the Non-Ham and Ham alike...** Your opportunity to see many modes and types of Ham Radio Equipment in action. Visit with knowledgeable operators demonstrating many aspects of Ham Radio. We'll answer questions, and show you how it works. Speak with local Amateur Radio Clubs and Societies to gain insight into how Hams are organized for Public Service, Emergency Communications, sharing technology ideas and having fun. Meet with Scout Leaders to hear how scouting and Ham radio intersect.
- **For Amateur Radio Organizations...** An opportunity to display your groups wares, a place to meet and swap operating experiences on a Saturday morning in January. A table to set up a display or banner. And you're invited to bring along a working amateur radio project.

Demonstrations are indoors, so weather should not be a problem. Free coffee, drinks and lunch are provided. Setup begins at 9:00. We'll open the parking lot for tailgating at 8:00. Tailgating is free. We will not be offering tables. An area of the parking lot will be designated for Tailgating, so be sure you are in the designated area before any setup.

for more information:

- Ray Back, ki4grj@sback.org
- David Adcock, ka4kkf@arrl.net

Check the web site for latest details

www.gars.org

GARS Appreciates these fine sponsors that support our great organization!

GWINNETT COLLISION CENTER, INC.

305 Sharon Ind. Way
Suwanee, Georgia 30024
945-0161
Import and Domestic
Unibody and Frame Repair

Marty Fowler, KE4MLH Mark Justice

WORLD WIDE DISTRIBUTION



Mark Holmes
Manager
KJ4VO

6071 Buford Highway
Atlanta, GA 30340 (Doraville)
770-263-0700 1-800-444-7927
Fax 770-263-9548

Mark KJ4VO

Tim W4EGT

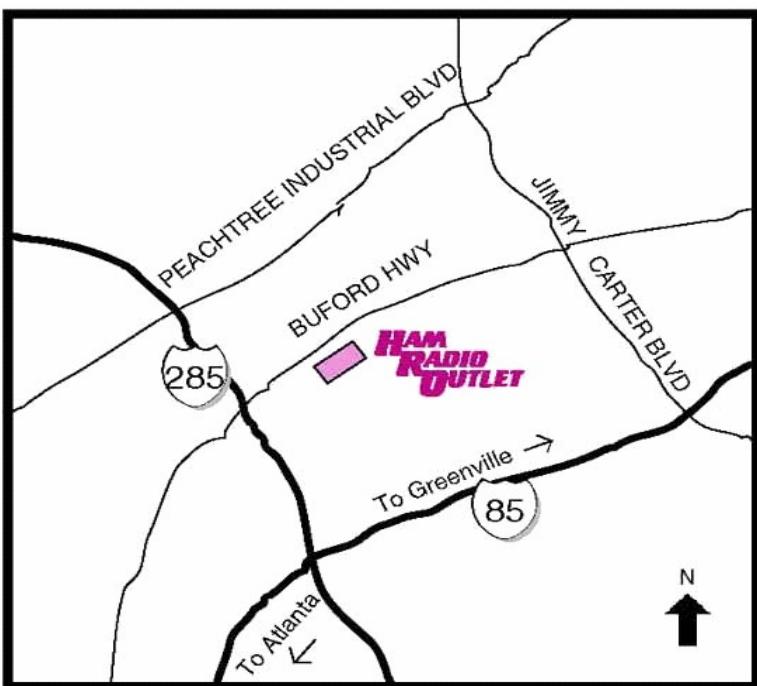
Mike N4MLB

David KE4VDH

Dale W4GCL

Bill KF8AZ

Josh W4JDH



Alinco
Icom
Japan Radio Corp
Kenwood
Premier / ADI
Yaesu
Alpha Delta
Arrow
Butternut
Create
Cushcraft
Diamond
Force 12
Hustler
Hy-Gain (Telex)
KLM
Larsen
M2
Premier
Valor
Van Gordon



Gwinnett Amateur Radio Society
PO Box 88
Lilburn, GA 30048

To receive the **Garzette** via e mail contact, please contact the membership chairman

**Saturday Morning
Breakfast**

**Join us at the Golden
Coral on Riverside Drive
in Lawrenceville at 7:30
a.m.**

Next Meeting

Tuesday, August 8th

**Meetings are on the
Second Tuesday of the
month 7:30pm at the
St Marguerite D'Youville
Church, 85 Gloster Rd
NW, Lawrenceville, GA
30044.**

**Just off Highway 29 SW of
Lawrenceville.**

**Directions on the Web
Site.**

<http://www.gars.org>

**PRUDENTIAL
GEORGIA
REALTY**

SHARON ADCOCK

404-428-9127

sharonadcock@mindspring.com

You need an EXPERT on
Your team when
BUYING or SELLING
Real Estate

10 + Years Experience of
listening and filling YOUR
needs

Prudential
Real Estate

www.sharonadcock.prudentialgeorgia.com

**GARS Specialist
Top Negotiator
Top Agent**



Helping "HAMS" with the Sale and
Purchase of their properties takes
Extra Time, Effort and Dedication.
Not every agent is willing to make
that Commitment.

Call me for when You or Your Friends
and Family are ready to Make a Move.

**References available upon Request